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**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 71, Citation

2 [Speech and sketching: an empirical study of multimodal interaction](#)  
 A. Adler, R. Davis  
 August 2007 **SBI M '07**: Proceedings of the 4th Eurographics workshop on S modeling  
**Publisher:** ACM  
 Full text available: Pdf (578.14 KB) [Additional Information: full citation, abstract, n](#)

**Bibliometrics:** Downloads (6 Weeks): 1, Downloads (12 Months): 39, Citation

Sketch recognition can capture the sketching component of a multimod but it does not capture information conveyed in the other modalities. Th accompanies a sketch often has a considerable amount of additional ...


3 [WireGL: a scalable graphics system for clusters](#)  
 Greg Humphreys, Matthew Eldridge, Ian Buck, Gordon Stoll, Matthew Ever  
 August 2001 **SIGGRAPH '01**: Proceedings of the 28th annual conference on interactive techniques  
**Publisher:** ACM [Request Permissions](#)  
 Full text available: Pdf (333.39 KB) [Additional Information: full citation, abstract, n](#)

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We describe WireGL, a system for scalable interactive rendering on a cl provides the familiar OpenGL API to each node in a cluster, virtualizing into a sort-first parallel renderer with a parallel ...

**Keywords:** cluster rendering, parallel rendering, remote graphics, scal virtual graphics

4 [interactions: Volume 15 Issue 2](#)  
 March 2008 interactions  
**Publisher:** ACM

Full text available:  Digital Edition ,  Pdf (8.29 MB) Additional Information: [full citation](#)


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5 [Setting up X11: A no-tears guide to XFree86 configuration.](#)

Greg Lehey

July 1995 **Linux Journal** , Volume 1995 Issue 15es

**Publisher:** Specialized Systems Consultants, Inc.

Full text available:  Html (24.42 KB) Additional Information: [full citation](#), [index terms](#)

**Bibliometrics:** Downloads (6 Weeks): 0, Downloads (12 Months): 2, Citation C

6 [Building an autonomous vehicle by integrating lego mindstorms and](#)

 Daniel E. Stevenson, James D. Schwarzmeier

March 2007 **SIGCSE '07: Proceedings of the 38th SIGCSE technical symposium on education**

**Publisher:** ACM 

Full text available:  Pdf (1.02 MB) Additional Information: [full citation](#), [abstract](#), [review](#)

**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 117, Citation


There are many possible ways to integrate Lego Mindstorms robots into science curriculum. This paper presents a way to use these robots to teach by building an autonomous vehicle. The vehicle uses an off-the-shelf ...

**Keywords:** RCX, image processing, leJOS, lego, robotics, vision

Also published in:


March 2007 **SIGCSE Bulletin** Volume 39 Issue 1

7 [ACM SIGMM retreat report on future directions in multimedia research](#)

 Lawrence A. Rowe, Ramesh Jain

February 2005 **Transactions on Multimedia Computing, Communication, and Security (TOMCCAP)** , Volume 1 Issue 1

**Publisher:** ACM 

Full text available:  Pdf (89.14 KB) Additional Information: [full citation](#), [abstract](#), [review](#)

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The ACM Multimedia Special Interest Group was created ten years ago. We have solved a number of important problems related to multimedia processing and distributed multimedia applications. A strategic retreat ...

**Keywords:** Multimedia authoring, distributed collaboration, multimedia and indexing, tele-presence

8 [High performance imaging using large camera arrays](#)

 Bennett Wilburn, Neel Joshi, Vaibhav Vaish, Gino-Ville Talvaia, Emilio Antoni

Adams, Mark Horowitz, Marc Levoy

July 2005 **SIGGRAPH '05: SIGGRAPH 2005 Papers**

**Publisher:** ACM 

Full text available:  [Mov \(21:45 MIN\)](#),  [Pdf \(902.47 KB\)](#) Additional Information: [full citation](#), [index b](#)

**Bibliometrics:** Downloads (6 Weeks): 55, Downloads (12 Months): 262, Citatic


The advent of inexpensive digital image sensors and the ability to create information from a number of sensed images are changing the way we ...  
this paper, we describe a unique array of 100 custom video ...

**Keywords:** camera arrays, spatiotemporal sampling, synthetic aperture



Also published in:

July 2005 **Transactions on Graphics (TOG)** Volume 24 Issue 3

## 9 Communications of the ACM: Volume 52 Issue 6


 June 2009 Communications of the ACM

**Publisher:** ACM

Full text available:  [Digital Edition](#),  [Pdf \(6.34 MB\)](#) Additional Information: [full citation](#)


**Bibliometrics:** Downloads (6 Weeks): 1808, Downloads (12 Months): 1930, Ci

## 10 Meeting technology challenges of pervasive augmented reality game

 Wolfgang Brühl, Jan Ohlenburg, Irma Lindt, Iris Herbst, Anne-Kathrin Braur

October 2006 **NetGames '06: Proceedings of 5th ACM SIGCOMM workshop support for games**

**Publisher:** ACM 

Full text available:  [Pdf \(370.77 KB\)](#) Additional Information: [full citation](#), [abstract](#), [re](#)

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Pervasive games provide a new type of game combining new technology of the players. While this already poses new challenges to the game dev higher for pervasive Augmented Reality games, where the ...

**Keywords:** augmented reality, mixed reality, pervasive gaming, ubiqui

## 11 Situational visualization

 David M. Krum, William Ribarsky, Christopher D. Shaw, Larry F. Hodges, N

November 2001 **VRST '01: Proceedings of the ACM symposium on Virtual re**

**Publisher:** ACM 

Full text available:  [Pdf \(1.12 MB\)](#) Additional Information: [full citation](#), [abstract](#), [re](#)

**Bibliometrics:** Downloads (6 Weeks): 6, Downloads (12 Months): 53, Citation


In this paper, we introduce a new style of visualization called *Situational* user of a robust, mobile visualization system uses mobile computing res experience and understanding of the surrounding ...

**Keywords:** dynamic databases, location and time-specific user input, lo mobile users and collaborators, real-time acquisition and insertion of da

### Visualizing geospatial data

Theresa Marie Rhyne, Alan MacEachren, Theresa-Marie Rhyne  
August 2004 **SIGGRAPH '04: SIGGRAPH 2004 Course Notes**

**Publisher:** ACM 


Full text available:  Pdf (14.01 MB)

[Additional Information: full citation, abstract](#)

**Bibliometrics:** Downloads (6 Weeks): 99, Downloads (12 Months): 930, Citations


This course reviews concepts and highlights new directions in GeoVisual of integrating geospatial data and geographic information systems (GIS) information visualization (VIS) methods. These include: • ...

### 13 Frameworks for component-based client/server computing

 Scott M. Lewandowski

March 1998 **Computing Surveys (CSUR)** , Volume 30 Issue 1

**Publisher:** ACM 


Full text available:  Pdf (243.81 KB)



[Additional Information: full citation, references](#)

**Bibliometrics:** Downloads (6 Weeks): 30, Downloads (12 Months): 225, Citations

### 14 Communications of the ACM: Volume 51 Issue 8


August 2008 Communications of the ACM

 **Publisher:** ACM

Full text available:  Digital Edition ,  Pdf (6.85 MB) [Additional Information: full citation](#)


**Bibliometrics:** Downloads (6 Weeks): 256, Downloads (12 Months): 2944, Citations

### 15 Lightning-2: a high-performance display subsystem for PC clusters

 Gordon Stoll, Matthew Eldridge, Dan Patterson, Art Webb, Steven Berman, Milton Faveira, Stephen Hunt, Pat Hanrahan

August 2001 **SIGGRAPH '01: Proceedings of the 28th annual conference on interactive techniques**

**Publisher:** ACM 

Full text available:  Pdf (2.06 MB)


[Additional Information: full citation, abstract, references](#)

**Bibliometrics:** Downloads (6 Weeks): 4, Downloads (12 Months): 40, Citations

Clusters of PCs are increasingly popular as cost-effective platforms for serious applications. Given recent performance improvements in graphics accelerators, clusters are becoming attractive for demanding graphics applications. We describe ...



**Keywords:** graphics hardware, graphics systems, parallel computing, rendering systems

### 16 All-optical networks




 Samir Chatterjee, Suzanne Pawlowski

June 1999 **Communications of the ACM** , Volume 42 Issue 6


**Publisher:** ACM 

Full text available:  Html (42.58 KB),  Pdf (296.73 KB) [Additional Information: full citation, abstract, references](#)

**Bibliometrics:** Downloads (6 Weeks): 16, Downloads (12 Months): 147, Citations

-  **Web-based multimedia tools for sharing educational resources**  
 Shervin Shirmohammadi, Abdulmotaleb El Saddik, Nicolas D. Georganas, F.  
 March 2001 **Journal on Educational Resources in Computing (JERIC)**  
**Publisher:** ACM  Request Permissions  
 Full text available:  Pdf (482.96 KB) Additional Information: full citation, abstract, review  
**Bibliometrics:** Downloads (6 Weeks): 9, Downloads (12 Months): 54, Citation

Many educational resources and objects have been developed as Java a can accessed by simply downloading them from various repositories. It these resources in real time, for instance when an instructor ...

- 18** **Design and implementation of a large-scale hybrid distributed graphi**  
 Jian Yang, Jiaoying Shi, Zhefan Jin, Hui Zhang  
 September 2002 **EGPV '02: Proceedings of the Fourth Eurographics Works**  
 Visualization  
**Publisher:** Eurographics Association  
 Full text available:  Pdf (237.87 KB) Additional Information: full citation, abstract, review  
**Bibliometrics:** Downloads (6 Weeks): 3, Downloads (12 Months): 39, Citation



Although modern graphics hardware has strong capability to render mill second, huge scenes are still unable to be rendered in real-time. Lots of graphics systems are explored to solve this problem. However ...

**Keywords:** geometry compression, global share, image composition, ir cluster rendering, logical timestamp, memory explosion, parallel render displays, virtual graphics

- 19** **A high-speed network interface for distributed-memory systems: arc**  
 Peter Steenkiste  
 February 1997 **Transactions on Computer Systems (TOCS)** , Volume 15 Iss  
**Publisher:** ACM  Request Permissions  
 Full text available:  Pdf (993.12 KB) Additional Information: full citation, abstract, review  
**Bibliometrics:** Downloads (6 Weeks): 7, Downloads (12 Months): 66, Citation

Distributed-memory systems have traditionally had great difficulty perf proportional to their computational power. The problem is that the netw network I/O for a supercomputer, using computational ...

**Keywords:** I/O architecture, application-managed I/O, data reshuffling network interface, outboard buffering, protocol processing, resource ma

- 20** **Tools and approaches for developing data-intensive Web applicatio**  
 Piero Fraternali  
 September 1999 **Computing Surveys (CSUR)** , Volume 31 Issue 3  
**Publisher:** ACM  Request Permissions  
 Full text available:  Pdf (524.80 KB) Additional Information: full citation, abstract, review  
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The exponential growth and capillar diffusion of the Web are nurturing e applications, characterized by a direct business-to-customer relationship; applications is a hybrid between traditional IS development ...

**Keywords:** HTML, Intranet, WWW, application, development

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